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Tanaka, T.; Yamada, M.;
Multimedia Communications, 1994. MULTIMEDIA '94., 5th IEEE COMSOC International Workshop on
16-19 May 1994 Page(s):4/3/1 - 4/3/6
Digital Object Identifier 10.1109/IWMC.1994.601216
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Kulonda, D.J.;
Management of Engineering and Technology, 2001. PICMET '01. Portland International Conference on
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Kanungo, T.; Haralick, R.M.;
Pattern Analysis and Machine Intelligence, IEEE Transactions on
Volume 21, Issue 2, Feb. 1999 Page(s):179 - 183
Digital Object Identifier 10.1109/34.748827
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Ebert, D.S.; Zwa, A.; Miller, E.L.; Shaw, C.D.; Roberts, D.A.;
Computer Graphics and Applications, IEEE
Volume 17, Issue 4, July-Aug. 1997 Page(s):60 - 62
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6. **Concepts of bitemporal database theory and the evolution of Web documents**
Knolmayer, G.F.; Myrach, T.;
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Yoon, K.; Berra, P.B.;
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Junehwa Song; Kim, M.Y.; Ramalingam, G.; Miller, R.; Byoung-Kee Yi;
Visual Languages, 1996. Proceedings., IEEE Symposium on
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Daigle, J.N.; Kuehl, R.B.; Langford, J.D.;
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Dyreson, C.E.;
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20-22 Sept. 1999 Page(s):685 - 688
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21. **A Bayesian neural network model for dynamic web document clustering**
Jun-Hui Her; Sung-Hae Jun; Jun-Heyog Choi; Jung-Hyun Lee;
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22. **Dealing with one-timer-documents in Web caching**
Belloum, A.; Hertzberger, L.O.;
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23. **An indexing model for structured documents to support queries on content, structure
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Tuong Dao;
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22-24 April 1998 Page(s):88 - 97
Digital Object Identifier 10.1109/ADL.1998.670383

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24. **Response time driven multimedia data objects allocation for browsing documents in
distributed environments**
Siu-Kai So; Ahmad, I.; Karlapalem, K.;
Knowledge and Data Engineering, IEEE Transactions on
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Digital Object Identifier 10.1109/69.774100

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25. **Document page segmentation and layout analysis using soft ordering**
Mitchell, P.E.; Hong Yan;
Pattern Recognition, 2000. Proceedings. 15th International Conference on
Volume 1, 3-7 Sept. 2000 Page(s):458 - 461 vol.1
Digital Object Identifier 10.1109/ICPR.2000.905375

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1 Temporal locality in Web request streams (poster session) (extended abstract): sources, characteristics, and caching implications
Shudong Jin, Azer Bestavros
June 2000 **ACM SIGMETRICS Performance Evaluation Review , Proceedings of the 2000 ACM SIGMETRICS international conference on Measurement and modeling of computer systems SIGMETRICS '00**, Volume 28 Issue 1
Publisher: ACM Press
Full text available: 📄 pdf(175.32 KB)   Additional Information: full citation, references, citings, index terms

2 Design of a digital library for human movement
Jezekiel Ben-Arie, Purvin Pandit, ShyamSundar Rajaram
January 2001 **Proceedings of the 1st ACM/IEEE-CS joint conference on Digital libraries**
Publisher: ACM Press
Full text available: 📄 pdf(361.37 KB)   Additional Information: full citation, abstract, references, citings, index terms

This paper is focused on a central aspect in the design of our planned digital library for human movement, i.e. on the aspect of representation and recognition of human activity from video data. The method of representation is important since it has a major impact on the design of all the other building blocks of our system such as the user interface/query block or the activity recognition/storage block. In this paper we evaluate a representation method for human movement that is based on ...

Keywords: human activity recognition, multi dimenional indexing, sequence recognition, temporal correlation

3 Replacement policies for a proxy cache
Luigi Rizzo, Lorenzo Vicisano
April 2000 **IEEE/ACM Transactions on Networking (TON)**, Volume 8 Issue 2
Publisher: IEEE Press
Full text available: 📄 pdf(277.42 KB)   Additional Information: full citation, references, citings, index terms

Keywords: Web, caching, communication networks, policies, replacement

4 Supporting valid-time indeterminacy
Curtis E. Dyreson, Richard Thomas Snodgrass
March 1998 **ACM Transactions on Database Systems (TODS)**, Volume 23 Issue 1
Publisher: ACM Press

Full text available: pdf(516.09 KB)   Additional Information: full citation, abstract, references, citings, index terms

In valid-time indeterminacy it is known that an event stored in a database did in fact occur, but it is not known exactly when. In this paper we extend the SQL data model and query language to support valid-time indeterminacy. We represent the occurrence time of an event with a set of possible instants, delimiting when the event might have occurred, and a probability distribution over that set. We also describe query language constructs to retrieve informat ...

Keywords: SQL, TSQL2, incomplete information, indeterminacy, probabilistic information, temporal dtabase, valid-time database

5 Internet Web servers: workload characterization and performance implications
Martin F. Arlitt, Carey L. Williamson
October 1997 **IEEE/ACM Transactions on Networking (TON)**, Volume 5 Issue 5
Publisher: IEEE Press

Full text available: pdf(216.86 KB)   Additional Information: full citation, references, citings, index terms, review

Keywords: World-Wide Web, caching, performance evaluation, workload characterization

6 The temporal structure of cooperative activity
Stephen Reder, Robert G. Schwab
September 1990 **Proceedings of the 1990 ACM conference on Computer-supported cooperative work**
Publisher: ACM Press
Full text available: pdf(1.52 MB)   Additional Information: full citation, references, citings, index terms

7 A consensus glossary of temporal database concepts
Curtis Dyreson, Fabio Grandi, Wolfgang Käfer, Nick Kline, Nikos Lorentzos, Yannis Mitsopoulos, Angelo Montanari, Daniel Nonen, Elisa Peressi, Barbara Pernici, John F. Roddick, Nandlal L. Sarda, Maria Rita Scalas, Arie Segev, Richard Thomas Snodgrass, Mike D. Soo, Abdullah Tansel, Paolo Tiberio, Gio Wiederhold
March 1994 **ACM SIGMOD Record**, Volume 23 Issue 1
Publisher: ACM Press
Full text available: pdf(1.42 MB)   Additional Information: full citation, abstract, citings, index terms

This document contains definitions of a wide range of concepts specific to and widely used within temporal databases. In addition to providing definitions, the document also includes separate explanations of many of the defined concepts. Two sets of criteria are included. First, all included concepts were required to satisfy four relevance criteria, and, second, the naming of the concepts was resolved using a set of evaluation criteria. The

concepts are grouped into three categories: concepts of ...

8 Visualizing the evolution of Web ecologies

Ed H. Chi, James Pitkow, Jock Mackinlay, Peter Pirolli, Rich Gossweiler, Stuart K. Card
January 1998 **Proceedings of the SIGCHI conference on Human factors in computing systems**
Publisher: ACM Press/Addison-Wesley Publishing Co.
Full text available: pdf(995.44 KB)   Additional Information: full citation, references, citings, index terms

Keywords: World Wide Web, documents, hypertext, information ecologies, log file analysis, temporal analysis, visualizaiton

9 Generating presentation constraints from rhetorical structure

Lloyd Rutledge, Brian Bailey, Jacco van Ossenbruggen, Lynda Hardman, Joost Geurts
May 2000 **Proceedings of the eleventh ACM on Hypertext and hypermedia**
Publisher: ACM Press
Full text available: pdf(233.19 KB) Additional Information: full citation, references, citings, index terms

Keywords: authoring, constraints, meta-structure, presentation generation, rhetorics

10 NASA workshop on issues in the application of data mining to scientific data

Jeanne Behnke, Elaine Dobinson
June 2000 **ACM SIGKDD Explorations Newsletter**, Volume 2 Issue 1
Publisher: ACM Press
Full text available: pdf(1.08 MB)   Additional Information: full citation, index terms

Keywords: NASA, data mining, earth science, statistics

11 Special issue on knowledge representation

Ronald J. Brachman, Brian C. Smith
February 1980 **ACM SIGART Bulletin**, Issue 70
Publisher: ACM Press
Full text available: pdf(13.13 MB)   Additional Information: full citation, abstract

In the fall of 1978 we decided to produce a special issue of the SIGART Newsletter devoted to a survey of current knowledge representation research. We felt that there were twe useful functions such an issue could serve. First, we hoped to elicit a clear picture of how people working in this subdiscipline understand knowledge representation research, to illuminate the issues on which current research is focused, and to catalogue what approaches and techniques are currently being developed. Secon ...

12 Negotiation for automated generation of temporal multimedia presentations

Mukesh Dalal, Steven Feiner, Kathleen McKeown, Shimei Pan, Michelle Zhou, Tobias Höllerer, James Shaw, Yong Feng, Jeanne Fromer
February 1997 **Proceedings of the fourth ACM international conference on Multimedia**
Publisher: ACM Press
Full text available: Additional Information:

pdf(1.38 MB)   full citation, references, citings, index terms

Keywords: knowledge-based graphics generation, media coordination, natural language generation, speech

13 Selected IR-Related Dissertation Abstracts

February 1992 **ACM SIGIR Forum**, Volume 26 Issue 1

Publisher: ACM Press

Full text available: pdf(2.24 MB)   Additional Information: full citation

14 Selected IR-Related Dissertation Abstracts

March 1993 **ACM SIGIR Forum**, Volume 27 Issue 1

Publisher: ACM Press

Full text available: pdf(2.24 MB)   Additional Information: full citation, abstract

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15 Data modeling of time-based media

Simon Gibbs, Christian Breiteneder, Dennis Tsichritzis

May 1994 **ACM SIGMOD Record , Proceedings of the 1994 ACM SIGMOD international conference on Management of data SIGMOD '94**, Volume 23 Issue 2

Publisher: ACM Press

Full text available: pdf(1.32 MB)   Additional Information: full citation, abstract, references, citings, index terms

Many aspects of time-based media—complex data encoding, compression, "quality factors," timing—appear problematic from a data modeling standpoint. This paper proposes timed streams as the basic abstraction for modeling time-based media. Several media-independent structuring mechanisms are introduced and a data model is presented which, rather than leaving the interpretation of multimedia data to applications, addresses the complex organization and re ...

16 View management in multimedia databases

K. Selçuk Candan, Eric Lemar, V. S. Subrahmanian

July 2000 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 9 Issue 2

Publisher: Springer-Verlag New York, Inc.

Full text available: pdf(322.82 KB)   Additional Information: full citation, abstract, index terms

Though there has been extensive work on multimedia databases in the last few years, there is no prevailing notion of a multimedia view, nor there are techniques to create, manage, and maintain such views. Visualizing the results of a dynamic multimedia query or materializing a dynamic multimedia view corresponds to assembling and delivering an interactive multimedia presentation in accordance with the visualization specifications. In this paper, we suggest that a non-interactive multimedia prese ...

Keywords: Interactivity, Multimedia databases, Prefetching, Result

visualization/presentation, View management

17 DIVA: exploratory data analysis with multimedia streams

Wendy E. Mackay, Michel Beaudouin-Lafon
January 1998 **Proceedings of the SIGCHI conference on Human factors in computing systems**
Publisher: ACM Press/Addison-Wesley Publishing Co.
Full text available: pdf(1.06 MB)   Additional Information: full citation, references, citings, index terms

Keywords: exploratory data analysis, hypermedia, multimedia, protocol analysis, stream algebra, streams, video

18 The content and access dynamics of a busy Web site: findings and implications

Venkata N. Padmanabhan, Lili Qiu
August 2000 **ACM SIGCOMM Computer Communication Review , Proceedings of the conference on Applications, Technologies, Architectures, and Protocols for Computer Communication SIGCOMM '00**, Volume 30 Issue 4
Publisher: ACM Press
Full text available: pdf(820.58 KB)   Additional Information: full citation, abstract, references, citings, index terms

In this paper, we study the dynamics of the MSNBC news site, one of the busiest Web sites in the Internet today. Unlike many other efforts that have analyzed client accesses as seen by proxies, we focus on the server end. We analyze the dynamics of both the server content and client accesses made to the server. The former considers the content creation and modification process while the latter considers page popularity and locality in client accesses. Some of our key results are: (a) files ...

19 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren
November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**
Publisher: IBM Press
Full text available: pdf(4.21 MB)   Additional Information: full citation, abstract, references, index terms

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

20 Timewarp: techniques for autonomous collaboration

W. Keith Edwards, Elizabeth D. Mynatt
March 1997 **Proceedings of the SIGCHI conference on Human factors in computing systems**
Publisher: ACM Press
Full text available: pdf(1.08 MB)   Additional Information: full citation, references, citings, index terms

Keywords: autonomous collaboration, awareness, computer-supported cooperative work, conflict detection and resolution, timewarp

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